WE CAN FLY, YOU AND I

INTERDISCIPLINARY LEARNING ACTIVITIES

Science	• Create a classroom simulation of an airport terminal. • Collect and interpret weather maps from the local newspapers. • Discuss what kinds of science would be important for pilots to study and understand. Why? • Discuss why weather is an important factor for aircraft to fly safely. • List and discuss environmental concerns when constructing a new airport in any community.
Mathematics	• Discuss what the numbers on a runway mean. • If traveling to different times zones, determine what the local time will be when reaching the destination. • Make a graph comparing the distances flown by the rotor motor, bag balloon, and delta wing glider. • Determine how many years elapsed between different time line events.
Technology Education	• Discuss technology that contributes to airport safety. • Discuss the importance of computers on aircraft and in airports.
Fine Arts	• Make a mobile using aviation as a theme. • Design or draw the layout of an airport. • Design art that depicts what airports will look like in the future.

Social Studies	• Undertake a field trip to the local airport. • Create an advertisement to market your privately owned airline. • Debate possible locations for a new airport in your community. • Research the history of your local airport. • Invite airport employees, or pilots, to speak to students about their careers in aviation/aerospace. • Discuss careers available in the aviation field. • Interview airport employees. • Research the development of airports. How have airports changed?
Language Arts	• Write an imaginary conversation between the control tower and pilot. • Fill out a logbook as if you were a pilot for an airline. • Role-play as a newspaper reporter at a major historical aviation event. • Write a story about an aviation-related job. • Imagine you are a pilot or navigator; you just completed an adventurous flight, and you are describing the flight for a television news program.
Health/Physical Education	• Discuss the feelings experienced when flying in an airplane. • Determine how long it will take to walk or run the distance of a typical airport runway (.6 - 3.0 km). • Determine how many students standing shoulder-to-shoulder it takes to equal the wingspan of these aircraft: 747 airliner (60.3 m wingspan), F-15 Eagle (13.2 m wingspan), and X-15 rocket airplane (6.8 m wingspan).